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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,480	01/26/2005	Jari Vallstrom	KOLS.172US	3828
76385 7590 12/09/2008 Hollingsworth & Funk, LLC 8009 34th Avenue South Suite 125 Minneapolis, MN 54425				
EXAMINER				
PATEL, NIMESH				
ART UNIT		PAPER NUMBER		
2617				
MAIL DATE		DELIVERY MODE		
12/09/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/522,480

Applicant(s)

VALLSTROM ET AL.

Examiner

NIMESH PATEL

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 7-14 and 16-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-14 and 16-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB-08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Detailed Office Action

Response to Arguments

1. Applicant's arguments filed on Sep. 24, 2008 have been fully considered but they are not persuasive.

Claims 1 – 5, 7 – 14 and 16 - 20 are pending in the application.

The applicant's argument,

"a connection with one of Chihara's peripheral devices cannot be transferred to the other as taught by Bonta because the devices do not support the same functions. In contrast, the proposed modification of Chihara would require at least two mobile telephone devices. This would not correspond to the claimed invention which is directed to an arrangement with one cellular core unit" on page 9, lines 1 – 5.

The examiner's response,

"Chihara discloses, the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and transmits an image received from the other party to a wearable radio communication device 12B - ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16.

Chihare SUGGESTS in the background, that the mobile telephone device having a display unit, the person has to place the mobile at a distance from his head to see the image and the user is required to speak loudly.

Here, Chihara inherently teaches, the need to blue tooth kind of peripheral devices that can be used for easy use and the user can view image while talking through head sets. This clearly teaches that without the blue tooth link, all the speaker, microphone and display is on the mobile telephone and the incoming call is performed on the mobile telephone itself (column 1, lines 14 - 39).

Just to make it clear, the Bodley reference is used to clearly show the notification at the headset (which reads on the peripheral device) when the headset is turned ON, in this condition there is a Bluetooth link between the headset and the cell phone, and the notification at the cell phone when the headset is turned OFF, in this condition the Bluetooth link is not there between the headset and the cell phone (column 10 lines 15-29).

Bonta teaches, the incoming call answered by the master is transferred to the new master. The request to be the new master is received – S38, designating the new master – s40, transferring call functions to the new master – s42. The primary network will move the connection between the calling party and CD1 to a connection between the calling party and CD2. The incoming call is transferred to the new master CD2.

The dedicated connection includes a Blue-tooth link for signaling and traffic connection between CD2 and any of the cellular devices CD1, CD3 and CD4 that choose to participate in the conversation. Here, say the master is CD2, while others CD1, CD3 and CD4 are peripheral devices, and the call can be transferred from say CD1 to CD3 and/or CD4 (Fig. 2, paragraph 0017).

The combination of Chihare, Bodley and Bonta, performs the claimed features".

The applicant's argument,

"Bodley does not teach or suggest transferring signals or requests indications on incoming connection requests to or from the headset",
on page 10, lines 8 – 10.

The examiner's response,

"Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call

comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available - Figs. 26, 27, column 10, lines 20 – 28.

The communication unit can be configured as a wireless unit which contains the necessary circuits and components for the necessary communication with a base station, a telephone network, a mobile telephone, a PC or similar equipment, with which speech and sound are exchanged - column 9, lines 32 – 41.

The combination of Chihare and Bodley, performs the claimed features".

Claims Rejection – 35 U.S.C 103(a)

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1 – 5, 7 – 14, 16 - 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chihara US Patent: US 6,714,233 B2 Mar. 30, 2004, and in view of Boldey US Patent: US 7,110,535 B2 Sep. 19, 2006, and further in view of Bonta US PGPub: US 2003/0224808 A1 Dec. 2, 2003.

Regarding claim 1, Chihara discloses,

a control unit for controlling the functions of the cellular core unit, the control unit being configured to communicate with a cellular network using a cellular connection, and to receive an incoming connection request from the cellular network (the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and transmits an image received from the other party to a wearable radio communication device 12B - ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16),

peripheral units being configured to communicate with the cellular core unit using a wireless low power radio frequency (LPRF) connection (the blue tooth communication between the mobile phone 11B, headset 13 and wearable device 13B - Figs. 7 and 8),

indicate the incoming connection request in one or more peripheral units **but not in the cellular core unit**, when the LPRF connection between the cellular core unit and a peripheral unit is available (with the arrival of an incoming call at the mobile phone 11, the incoming call arrival announcing signal including the telephone number of the calling party is sent to the wrist watch-type information apparatus 12 - Fig. 1, and column 10, lines 9 – 13.

The mobile phone 11B is being placed in the bag, and the user wears the wrist watch-type information apparatus 12B and the headset 13, and the incoming call connection request is indicated on the peripheral unit - Figs. 7 and 8),

to establish an incoming connection to the peripheral unit in which the incoming connection request has been accepted (with the arrival of an incoming call, the operating switches SW1 to SW4 of the operating switch unit 46 of the wrist watch-type information device apparatus 12 are operated to input an incoming call response instruction. Then, the wrist watch-type information apparatus 12 transfers the instruction to the mobile telephone device 11. The mobile telephone device 11 in response to this incoming call response instruction, perform the processing for response to incoming call - column 10, lines 26 – 40),

but is silent on,

“indicate the incoming call connection request in the cellular core unit, when the LPRF connection between the cellular core unit and the peripheral unit is not available”, and

“indicate the incoming connection request in the peripheral unit, when the LPRF connection between the cellular core unit and the peripheral unit becomes available”.

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10,

lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Both Chihara and Bodley discloses all the claimed features,

but, are silent on,

“receiving a connection request from another peripheral unit **other** than the peripheral unit to which the incoming connection has been established”,

“indicate in the other peripheral unit about transferring the connection to the other peripheral unit”, and

“transfer the established incoming connection to the peripheral unit that has requested the connection”.

Bonta teaches, the incoming call answered by the master is transferred to the new master. The request to be the new master is received – S38, designating the new master – s40, transferring call functions to the new master – s42. The primary network will move the connection between the calling party and CD1 to a

connection between the calling party and CD2. The incoming call is transferred to the new master CD2.

The dedicated connection includes a Blue-tooth link for signaling and traffic connection between CD2 and any of the cellular devices CD1, CD3 and CD4 that choose to participate in the conversation (Fig. 2, paragraph 0017).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53) the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated transferring call from one peripheral device to another peripheral device (Banta, Fig.2, paragraph 0017), to establish a cooperative ad hoc network of cellular devices (or peripheral devices) to form a multiparty connection for sharing conversation and call control (Banta, paragraph 0003).

Regarding claim 2, Chihara discloses all the claimed features,

but, is silent on, "the control unit of the cellular core unit is configured to transfer the indication of the incoming connection request to the peripheral unit, when during the indication of the incoming connection request in the cellular core unit the LPRF connection between the cellular core unit and the peripheral unit becomes available".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable

wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Regarding claim 3, Chihara discloses all the claimed features,

but, is silent on, "the control unit of the cellular core unit is configured to check the incoming connection indication settings of the peripheral unit with which the cellular core unit has last been in LPRF connection and to indicate about the incoming connection request in the cellular core unit according to the checked incoming connection indication settings of the peripheral unit".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is

established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Regarding claim 4, Chihara discloses all the claimed features,

but, is silent on, "the control unit of the cellular core unit is configured to indicate about the incoming connection request on the cellular core unit by signaling [SIC] with a sound, a light or a vibration".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

The communication unit can be configured as a wireless unit which contains the necessary circuits and components for the necessary communication with a base station, a telephone network, a mobile telephone, a PC or similar equipment, with which speech and sound are exchanged (column 9, lines 32 – 41).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Regarding claim 5, Chihara discloses all the claimed features,

but, is silent on , “the control unit of the cellular core unit is configured to indicate the incoming connection request on the cellular core unit, when during the indication concerning the incoming connection request to the peripheral unit the LPRF connection between the cellular core unit and the peripheral unit is lost”.

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this “on” condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is

possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

The communication unit can be configured as a wireless unit which contains the necessary circuits and components for the necessary communication with a base station, a telephone network, a mobile telephone, a PC or similar equipment, with which speech and sound are exchanged (column 9, lines 32 – 41).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10,

lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Regarding claim 7, Chihara discloses,

a headset connected to the peripheral unit or to the cellular core unit and the control unit is further configured to indicate in the peripheral unit if audios of the incoming connection are to be routed to the headset (the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and transmits an image received from the other party to a wearable radio communication device 12B

- ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16).

Regarding claim 8, Chihara discloses,

a headset connected to the cellular core unit, the peripheral unit is configured to accept the incoming connection and the control unit is configured to indicate in the peripheral unit when the audios of the incoming connection are routed to the headset connected to the cellular core unit (with the arrival of an incoming call at the mobile phone 11, the incoming call arrival announcing signal including the

telephone number of the calling party is sent to the wrist watch-type information apparatus 12 - Fig. 1, and column 10, lines 9 – 13.

Regarding claim 9, Chihara discloses,

the arrangement of claim 1, wherein the LPRF connection between the cellular core unit and the peripheral unit is a Bluetooth or a WLAN connection (the blue tooth communication between the mobile phone 11B, headset 13 and wearable device 13B - Figs. 7 and 8).

Regarding claim 10, Chihara discloses,

receiving an incoming connection request from the cellular network by the cellular core unit (the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and transmits an image received from the other party to a wearable radio communication device 12B. Here, the incoming connection request is received by the mobile telephone 11- ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16).

one or more peripheral units being configured to communicate with the cellular core unit using a wireless low power radio frequency (LPRF) connection (the blue

tooth communication between the mobile phone 11B, headset 13 and wearable device 13B - Figs. 7 and 8).

indicating the incoming connection request in one or more peripheral units **but not in the cellular core unit**, when the LPRF connection between the cellular core unit and a peripheral unit is available (with the arrival of an incoming call at the mobile phone 11, the incoming call arrival announcing signal including the telephone number of the calling party is sent to the wrist watch-type information apparatus 12 - Fig. 1, and column 10, lines 9 – 13.

The mobile phone 11B is being placed in the bag, and the user wears the wrist watch-type information apparatus 12B and the headset 13, and the incoming connection request is on the peripheral unit - Figs. 7 and 8),

establishing an incoming connection to the peripheral unit in which the incoming connection request has been accepted (with the arrival of an incoming call, the operating switches SW1 to SW4 of the operating switch unit 46 of the wrist watch-type information device apparatus 12 are operated to input an incoming call response instruction. Then, the wrist watch-type information apparatus 12 transfers the instruction to the mobile telephone device 11. The mobile telephone device 11 in response to this incoming call response instruction, perform the processing for response to incoming call - column 10, lines 26 – 40).

but is silent on,

"indicating the incoming connection request in the cellular core unit, when the LPRF connection between the cellular core unit and the peripheral unit is not available", and

"indicating the incoming connection request in the peripheral unit, when the LPRF connection between the cellular core unit and the peripheral unit becomes available".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Both Chihara and Bodley discloses all the claimed features,

but, are silent on, "receiving a connection request from an peripheral unit".

"indicating in the other peripheral unit about transferring the connection to the other peripheral unit", and

"transferring the established incoming connection from the peripheral unit to other peripheral unit".

Bonta teaches, the incoming call answered by the master is transferred to the new master. The request to be the new master is received – S38, designating the new master – s40, transferring call functions to the new master – s42. The primary network will move the connection between the calling party and CD1 to a connection between the calling party and CD2. The incoming call is transferred to the new master CD2.

The dedicated connection includes a Blue-tooth link for signaling and traffic connection between CD2 and any of the cellular devices CD1, CD3 and CD4 that choose to participate in the conversation (Fig. 2, paragraph 0017).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53) the

mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated transferring call from one peripheral device to another peripheral device (Banta, Fig.2, paragraph 0017), to establish a cooperative ad hoc network of cellular devices (or peripheral devices) to form a multiparty connection for sharing conversation and call control (Banta, paragraph 0003).

Regarding claim 11, it is essentially similar to claim 2 above, and is rejected on the same ground.

Regarding claim 12, it is essentially similar to claim 3 above, and is rejected on the same ground.

Regarding claim 13, it is essentially similar to claim 4 above, and is rejected on the same ground.

Regarding claim 14, it is essentially similar to claim 5 above, and is rejected on the same ground.

Regarding claim 16, it is essentially similar to claim 7 above, and is rejected on the same ground.

Regarding claim 17, it is essentially similar to claim 8 above, and is rejected on the same ground.

Regarding claim 18, it is essentially similar to claim 9 above, and is rejected on the same ground.

Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Chihara US Patent: US 6,714,233 B2 Mar. 30, 2004, and in view of

Boldey US Patent: US 7,110,535 B2 Sep. 19, 2006.

Regarding claim 19, Chihara discloses,

a radio terminal equipment arrangement comprising:

a cellular core unit comprising:

a control unit for controlling the functions of the cellular core unit, the control unit being configured to communicate with a cellular network using a cellular connection, to receive an incoming connection request from the cellular network (the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and

transmits an image received from the other party to a wearable radio communication device 12B - ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16), and

peripheral units being configured to communicate with the cellular core unit using a wireless low power radio frequency - LPRF connection (the blue tooth communication between the mobile phone 11B, headset 13 and wearable device 13B - Figs. 7 and 8),

wherein:

the control unit of the cellular core unit is configured to indicate the incoming connection request in one or more peripheral units **but not in the cellular core unit**, when the LPRF connection between the cellular core unit and a peripheral unit is available (with the arrival of an incoming call at the mobile phone 11, the incoming call arrival announcing signal including the telephone number of the calling party is sent to the wrist watch-type information apparatus 12 - Fig. 1, and column 10, lines 9 – 13.

The mobile phone 11B is being placed in the bag, and the user wears the wrist watch-type information apparatus 12B and the headset 13, and the incoming call connection request is indicated on the peripheral unit - Figs. 7 and 8); and

but is silent on,

"indicate the incoming call connection request in the cellular core unit, when the LPRF connection between the cellular core unit and the peripheral unit is not available", and

"indicate the incoming call connection request in the peripheral unit, when the LPRF connection between the cellular core unit and the peripheral unit becomes available".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the

indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Regarding claim 20, Chihara discloses,

a method of indicating about an incoming connection in a radio terminal equipment arrangement comprising:

a cellular core unit and one or more peripheral units, the cellular core unit communicating with one or more of the peripheral units using a wireless low power radio frequency - LPRF connection (the blue tooth communication between the mobile phone 11B, headset 13 and wearable device 13B - Figs. 7 and 8), the method comprising:

receiving an incoming connection request from a cellular network by the cellular core unit (the mobile phone 11 transmits the voice received from the other party to a headset 13 having a voice input/output unit by local radio communication, and transmits an image received from the other party to a wearable radio communication device 12B. Here, the incoming connection request is received by the mobile telephone 11- ABSTRACT, Figs. 1, 3, 8, column 1, line 34 through column 2, line 16);

indicating the incoming connection request in one or more of the peripheral units **but not in the cellular core unit**, when the LPRF connection between the cellular core unit and one or more of the peripheral units is available (with the arrival of an incoming call at the mobile phone 11, the incoming call arrival announcing signal including the telephone number of the calling party is sent to the wrist watch-type information apparatus 12 - Fig. 1, and column 10, lines 9 - 13.

The mobile phone 11B is being placed in the bag, and the user wears the wrist watch-type information apparatus 12B and the headset 13, and the incoming connection request is on the peripheral unit - Figs. 7 and 8),

but is silent on,

"indicating the incoming connection request in the cellular core unit, when the LPRF connection between the cellular core unit and the peripheral unit is not available",

"indicating the incoming connection request in the peripheral unit, when the LPRF connection between the cellular core unit and the peripheral unit becomes available", and

"indicating about the incoming connection in the cellular core unit when, during the indication concerning the incoming connection request to the peripheral unit, the LPRF connection between the cellular core unit and the peripheral unit is lost".

Bodley teaches, the detection is to power up the communication link with another Bluetooth device, most often a cellular phone handset. Software is provided to detect this "on" condition and wake up the cell phone and establish a link under the Bluetooth or other linking signal. Further via this detection system, it is possible for the headset to inform another Bluetooth device like a cell phone to go "off hook".

Here, if it is detected "off hook" condition, which has NO connection between the headset and a cellular phone handset, in this condition when the incoming call comes, it will be ringing/vibrate or indicate the incoming call connection request on the cell phone itself, and will not be in the peripheral unit, as there is no link is established between the cell phone handset and the headset, reads on the

claimed feature, when LPRF connection is not available, the indication of incoming call connection request in the cellular core unit.

When it is detected "on" condition, in this condition there is a communication link between cellular phone handset and headset, reads on the claimed feature, the indication of the incoming connection request in the peripheral unit, when the LPRF connection is available (Figs. 26, 27, column 10, lines 20 – 28).

It would have been obvious to one of ordinary skill in the art, at the time of invention, to modify mobile video telephone system, of Chihara, wherein, the mobile telephone device 11B (Chihara, Fig. 8/11B), would have incorporated the detection to detect the in-use status of Bodley (Bodley, Figs. 26, 27, column 10, lines 20 – 28) that detects the user device if it is within the vicinity of the portable wireless device, so the user of a mobile telephone device can check the image of the other party and pick up the image of the surrounding scene while at the same time make speech with the other party (Chihara, column 1, lines 39 – 53).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed

within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication from the examiner should be directed to Nimesh Patel at (571) 270-1228, normally reached on Mon-Thur. 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rafael, Perez-Gutierrez, can be reached at (571) 272-7915.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nimesh Patel/

/Rafael Pérez-Gutiérrez/

Supervisory Patent Examiner, Art Unit 2617